

 <p align="center">Financial Assistance Award</p> <p align="center">DENALI COMMISSION 510 L Street, Suite 410 Anchorage, Alaska 99501 (907) 271-1414 (phone) (907) 271-1415 (fax) www.denali.gov</p>		Award Number	01467-03		
		Award Title	Sanitation Energy Efficiency		
		Performance Period	September 1, 2014 through December 31, 2018		
Authority 112 Stat 1854	CFDA Number 90.100	<u>Recipient Organization & Address</u> Alaska Native Tribal Health Consortium 4000 Ambassador Dr Alaska Native Tribal Health Consortium Phone: 907-729-2923 Recipient DUNS # 071375658 TIN # 920162721			
Denali Commission Finance Officer Certification					
<u>Cost Share Distribution Table</u>					
Accounting Code	New Funding		Prior Period Funding		Total
	Denali Commission	Other Contributors	Denali Commission	Other Contributors	
95670000	\$500,000.00		\$2,147,636.00		\$2,647,636.00
	\$0.00		\$0.00		\$0.00
	\$0.00		\$0.00		\$0.00
	\$0.00		\$0.00		\$0.00
	\$0.00		\$0.00		\$0.00
		\$0.00		\$0.00	\$0.00
		\$0.00		\$0.00	\$0.00
		\$0.00		\$0.00	\$0.00
		\$0.00		\$0.00	\$0.00
Total	\$500,000.00	\$0.00	\$2,147,636.00	\$0.00	\$2,647,636.00
This Financial Assistance Award approved by the Federal Co-Chair of the Denali Commission constitutes an obligation of federal funding.					
Signature of Authorized Official - Denali Commission Electronically Signed		Typed Name and Title Mr. Jay Farmwald Director of Programs		Date 02/14/2017	

AWARD ATTACHMENTS

Alaska Native Tribal Health Consortium

01467-03

1. Terms and Conditions

***Financial Assistance Award 1467
Between the Denali Commission and Alaska Native Tribal Health Consortium
For Sanitation Energy Efficiency
Amendment 3
23 January 2017***

All changes to the award conditions are noted below.

1. Increase funding by \$500,000
2. Extend performance period to 31 December 2018
3. Replace the original Award Terms and Conditions and the scope changes summarized in Amendments 1 and 2, with new Terms and Conditions and Attachment A dated 23 January 2017.

**Financial Assistance Award Terms and Conditions
Between the Denali Commission and Alaska Native Tribal Health Consortium
For Sanitation Energy Efficiency**

Award No. 1467

23 January 2017

1. Project Summary

a. Scope of Work: Plan and implement energy efficiency improvements to sanitation facilities in various rural Alaska communities.

b. Deliverables:

- Energy Audits
- Completed Retrofit Projects
- Holy Cross Heat Recovery System Design
- Service Connection Study

c. Budget: Up to and including Amendment 3, the Commission has made \$2,647,636 available for the scope of work. This total amount includes all direct and indirect costs. All Commission funding is intended to be used for the scope of work identified in this FAA only. Any funds remaining after the full scope of work has been completed shall be returned to the Denali Commission consistent with 2 CFR 200.319.

Numerous other agencies and organizations are also contributing to the ANTHC Sanitation Energy Efficiency Program, including the US Department of Energy, US Department of Agriculture, US Environmental Protection Agency, State of Alaska, Alaska Housing Finance Corporation, Lake and Peninsula Borough, City of Holy Cross, and ANTHC itself. The total funding being provided by these other entities is approximately \$3,010,000.

d. Delivery Method: The work supported with Denali Commission funds will be performed primarily with in-house ANTHC professional and force-account staff.

e. Performance Period: The Period of Performance for this FAA is 1 September 2014 thru 31 December 2018. In accordance with 2 CFR 200.309 Recipients can only incur obligations or costs against an FAA during the Period of Performance, unless specifically authorized in the Special Provisions (Section 14 of this document). If a project cannot be completed within the approved Period of Performance, an extension request must be made in accordance with the Commission's *Recipient Guidelines and requirements* (RGR) document dated July 2015, available at www.denali.gov.

More detailed information on scope, deliverables, budget, funding, project delivery method and/or management plan, cooperative agreement provisions, schedule and key milestones are included in Attachment A dated 23 January 2017.

2. Project Reporting and Commission Site Visits

Progress reports and a close-out report are required under this FAA. Progress Reports shall be submitted at the frequency stipulated in the Special Provisions. The Closeout Report shall be completed within 90-days of the end of the Period of Performance. All reports must be submitted using the Denali Commission's on-line Project Database System, available at www.denali.gov/dcpdb.

Commission staff or agents of the Commission may make visits to the project site and/or home office to monitor progress during and/or after the Period of Performance. The Recipient shall coordinate and make information available as necessary to facilitate any such site visits.

Refer to the *Recipient Guidelines and Requirements* document for further information related to reports and site visits.

3. Payments

Payments under this FAA will be made in accordance with 2 CFR 200.305 by electronic transfer in response to a Standard Form 270 (SF-270) "Request for Advance or Reimbursement", submitted by the Recipient. At a minimum, all 270's must include summary cost information on labor, materials, contracts/consultants, and indirect costs. Detailed documentation is required for any single expenditure greater than \$50,000. If Pre-award Costs and/or Advance Payments are authorized under this FAA, the Special Provisions will indicate so. Requests for reimbursements may be made as needed. Refer to the *Recipient Guidelines and Requirements* document for further information about submitting SF-270's.

4. Modifications

In accordance with 2 CFR 200.308, the Recipient shall report deviations in project scope, budget, delivery method, management plan, schedule, or changed site conditions, and request prior approvals from the Program Manager. The Recipient shall also submit written requests to the Program Manager for the replacement of Key Staff identified in the Special Provisions. Refer to the *Recipient Guidelines and Requirements* document for further information about modifying a Financial Assistance Award.

5. Financial Management, Record Keeping, Internal Controls, and Audits

The Recipient must have financial management and record keeping systems that are consistent with 2 CFR 200.302. If the Recipient is a State organization, it must expend and account for FAA funds in accordance with applicable State laws and procedures for expending and accounting for the State's own funds.

The Recipient must establish and maintain effective internal controls with respect to this FAA that are consistent with 2 CFR 200.303.

In accordance with 2 CFR 200.501, Recipients that expend \$750,000 or more of federal funds in a year shall have a single or program-specific audit conducted for that year.

Refer to the *Recipient Guidelines and Requirements* document for further information about financial management, record keeping, internal controls and audits.

6. Direct and Indirect Costs

All direct costs must be allowable and reasonable. Indirect costs must be allocable based on accepted accounting policies and practices. Indirect costs must be specifically included as a line item or identified with appropriate notes in the approved FAA budget. Refer to 2 CFR 200 Subpart E (Cost Principles) and the *Recipient Guidelines and Requirements* document for further information on direct and indirect costs.

7. Sub-Awards and Contracts

All sub-awards and contracts issued by the Recipient under this FAA must comply with 2 CFR 200.331 and Appendix II to 2 CFR 200. Refer to the *Recipient Guidelines and Requirements* document for further information on this subject.

8. Acknowledgement of Support

The Recipient shall name the Denali Commission as a financial contributor and project/program partner in all media correspondence related to the work supported by this FAA. If Commission funds are used for construction, the Recipient shall also display a sign at the construction site that acknowledges the Commission's support. Refer to the *Recipient Guidelines and Requirements* document for further information on this subject.

9. Real and Personal Property

In accordance with 2 CFR 200.311, 313, and 316 the Denali Commission may require the Recipient to execute a security interest or other public notice of record to indicate that real or personal property acquired or improved, in whole or in part, with Federal funds is subject to a Federal interest. Any such requirements under this FAA, including post project reporting in accordance with 2 CFR 200.329, will be stipulated in the Special Provisions.

10. Conflict of Interest

In accordance with 2 CFR 200.112, the Recipient must disclose in writing any potential conflicts of interest to the Commission. In addition, 2 CFR 200.318 requires that Recipients maintain written standards of conduct covering conflicts of interest and governing the performance of their employees engaged in the selection, award, and administration of contracts. Refer to the *Recipient Guidelines and Requirements* document for further information on this subject.

11. Denali Commission Policies

Recipients may be required to comply with certain published Denali Commission policies which can be found in the *Recipient Guidelines and Requirements* document. Applicable policies are referenced in the Special Provisions of this FAA, and specific requirements/deliverables (if any) are stipulated in Appendix A.

12. Laws and Regulations

Recipients are required to comply with all applicable Federal laws and regulations. General categories of potentially applicable laws and regulations are summarized below. Refer to the *Recipient Guidelines and Requirements* document for further information on specific laws and regulations that may apply.

- a. Debarment and Suspension
- b. Whistle-blower Protection
- c. Non-Discrimination
- d. Lobbying and Propaganda
- e. Environmental
- f. Drug-Free Workplace
- g. Travel
- h. Human Rights
- i. Animal Welfare
- j. Executive Compensation

13. Other Provisions

- a. The United States expressly disclaims any and all responsibility or liability to the Recipient or sub-recipients for the actions of the Recipient or sub-recipients resulting in death, bodily injury, property damages, or any other losses resulting in any way from the performance of this FAA, including sub-awards, contracts, or sub-contracts issued in connection with this FAA.
- b. To the maximum extent practicable, considering applicable laws, the Recipient shall accomplish the project contemplated by this FAA using local Alaska firms and labor.
- c. All terms and conditions contained in this FAA apply to any sub-recipient under this FAA.
- d. Failure to comply with the provisions of this FAA or maintain satisfactory performance may result in additional FAA conditions pursuant to 2 CFR 207. This includes but is not limited to: temporarily withholding of payments pending the correction of the deficiency; disallowance of project costs; wholly or partially suspending or terminating the FAA. In addition, failure to comply with the provisions of this FAA may also have a negative impact on the Recipient's eligibility for future Federal awards.

14. Special Provisions

Progress Reports: Quarterly

Pre-award Costs: n/a

Key Staff: Eric Hanssen

Advance Payments: n/a

Federal Property Interests and Reporting Requirements: n/a

Denali Commission Policies: Sustainability, Cost Containment, and Community Planning

Bonds and Insurance: n/a

15. Program Manager, Financial Manager & Other Contact Information

Denali Commission	ANTHC
Tom Wolf Program Manager 510 L Street, Suite 410 Anchorage, AK 99501 Phone: 907-271-1414 e-mail: twolf@denali.gov	Eric Hanssen Program Manager 4500 Diplomacy Dr., Suite 454 Anchorage, AK 99508 Phone: 907-729-3620 e-mail: echanssen@anthc.org
Janet Davis Grants Management Officer 510 L Street, Suite 410 Anchorage, AK 99501 Phone: 907-271-3036 e-mail: jdavis@denali.gov	Garvin Federenko Chief Financial Officer 4000 Ambassador Dr. Anchorage, AK 99508 Phone: 907-729-1903 e-mail: gfederenko@anthc.org

Attachment A
To
Financial Assistance Award #1467
Between the Denali Commission and ANTHC for
Sanitation Energy Efficiency

23 January 2017

This amendment updates scope, schedule and budget for Award 1467, *Sanitation Energy Efficiency*. This amendment restates the original scope, two previous scope amendments, and adds additional scope.

The work funded under this award includes gathering and compiling baseline energy use and cost data for sanitation facility systems in rural Alaska, implementing energy efficiency and conservation measures identified in the energy audits, collecting subsequent energy use and cost data for comparison after implementation, completing the design of a diesel heat recovery system in Holy Cross to benefit the water treatment plant, and conducting an assessment of energy issues related to the variety of residential water and sewer service connections currently in use across rural Alaska.

WORK PLAN

Energy Audits

Scope: Conduct investment grade energy audits for the sanitation systems in at least the following 37 communities:

Akiachak, Aniak, Buckland, Ekwok, Fort Yukon, Galena, Gulkana, Hooper Bay, Igiugig, Kake, Kasigluk, Kotlik, Kotzebue, Manokotak, McGrath, Mountain Village, Nikolai, Noorvik, Noatak, Quinhagak, Rampart, Saint Mary's, Scammon Bay, Selawik, Shishmaref, Shungnak, Tanacross, Tanana, Togiak, Unalakleet, White Mountain, and six Lake and Peninsula Borough Communities.

Deliverables: The energy audits will be investment grade and inform future implementation efforts on specific improvements necessary for each sanitation system as well as cost and savings estimates for all identified Energy Efficiency Measures (EEMs) and Energy Conservation Measures (ECMs).

Budget: The Commission is making \$355,000 available for energy audits. The average cost of an audit including direct labor, pool labor, travel and indirect costs is approximately \$10,000. \$140,000 of match and/or related funding is being provided by the Lake and Peninsula Borough, US Department of Energy, and Alaska Housing Finance Corporation.

Delivery Method: The audits will be performed using ANTHC in-house resources.

Schedule:

September 2014 - September 2016: Complete 11 energy audits

October 2016 - October 2017: Complete 16 energy audits

October 2017 - October 2018: Complete 10 energy audits

Improvement Projects

Scope: Implement energy improvement projects based upon previously conducted energy audits in at least the following 56 communities:

Akiak, Alatna, Allakaket, Ambler, Angoon, Anvik, Atmauthluak, Brevig Mission, Buckland, Chuathbaluk, Circle, Deering, Eek, Elim, Fort Yukon, Gambell, Golovin, Grayling, Holy Cross, Hughes, Huslia, Kake, Kaltag, Kobuk, Koliganek, Kongiginak, Koyuk, Koyukuk, Kwigillingok, Marshall, Minto, Mountain Village, Newhalen, New Stuyahok, Nondalton, Northway, Nulato, Nunam Iqua, Old Harbor, Pilot Station, Pitkas Point, Rampart, Ruby, Russian Mission, Saint Michael, Savoonga, Shageluk, Shaktoolik, Shishmaref, Sleetmute, Stebbins, Stevens Village, Tuluksak, Twin Hills, Unalakleet, White Mountain.

The improvements will be inclusive of both Energy Efficiency Measures (EEMs) and Energy Conservation Measures (ECMs), which may typically include:

- Replacement of electrical components and circulating pumps.
- Interior and exterior lighting upgrades and installation of occupancy sensors.
- Installation of setback thermostats and tuning of the heating and ventilation systems.
- Mechanical piping insulation.
- Replacement of boilers to more efficient units and upgrade to electronic control systems.
- Weather sealing and building insulation, as necessary.
- Operational changes such as turning off heat tape and circulation pumps when not needed, decreasing circulating and storage tank temperatures, decreasing building interior set points, and appropriate operations and maintenance procedures.

The general criteria for an improvement project package is that it has an average simple payback of 7 years or less.

Deliverables: Training and retrofit plans in advance of efficiency/conservation implementation work, completed improvements, and trip reports featuring photographs of before and after work for each community receiving efficiency/conservation improvements.

Budget: The Commission is making \$2,237,636 available for improvement projects. This represents approximately \$40,000 per community. The US Department of Agriculture and the State of Alaska are providing \$2,440,000 for related work in the communities listed above and/or other communities that have or will receive energy audits. Based on historical ANTHC data, the average cost (including materials, shipping, direct labor, pool labor, travel and indirect

costs) to make routine energy improvements for a community with a piped water and sewer system is approximately \$85,000.

Delivery Method: The majority of improvement project work will be performed using ANTHC in-house professional and force-account resources. Some elements of the work may be performed via contract or sub-recipient agreements.

Schedule:

September 2014 - September 2016: Complete projects in 40 communities

October 2016 – December 2017: Complete projects in 16 communities

Holy Cross Heat Recovery System

Scope: Complete design of a heat recovery system in Holy Cross, Alaska to supply recovered heat from the power plant to the water treatment plant.

Deliverables: 65% design drawings, 100% design drawings and Construction Cost estimate.

Budget: The Commission is making \$30,000 available for the design. The US Department of Energy and the US Environmental Protection Agency are providing \$30,000 for the initial feasibility study and final design. \$60,000 of planning and design effort represents approximately 450 hours of professional time at \$120/hour plus travel and permits. The US Department of Agriculture is providing \$445,300 in grants and loans for construction of the system, with a local contribution of \$40,000 from the City of Holy Cross.

Delivery Method: Design documents will be produced by a professional engineering firm competitively procured by ANTHC.

Schedule:

September 2016 - Design start:

November 2016 - 65% design complete:

January 2017 - 100% design and cost estimate complete

Service Line Study

Scope: Conduct assessment of behavioral and technical challenges associated with four common water and sewer service connections used in rural Alaska. Identify energy impact to residences of operating the different type of service connections.

Deliverables: Document best practices, and develop a practical tool kit to improve operational performance for residents.

Budget: The Commission is making \$25,000 available for the study. ANTHC is contributing a \$25,000 match. The total \$50,000 budget includes approximately \$10,000 for ANTHC labor and indirect costs (110 hours at an overall aggregate rate of approximately \$90 per hour), \$22,000 to support an AmeriCorps Vista volunteer (stipend and host organization administration), \$16,000 for travel (8 trips @ \$2,000/trip), and \$2,000 for materials.

Delivery Method: The study will be performed using ANTHC in-house resources and an AmeriCorps Vista volunteer.

Schedule:

January 2016 to December 2016 - Develop assessment, identify communities, collect field data
January 2017 to December 2017 - Assemble data, develop toolkit, produce final report

Cooperative Agreement Provisions

ANTHC agrees to cooperate and collaborate with the Denali Commission during the project, and understands that the Commission will be substantially involved in implementing the project or components of the project. Specifically, the Commission will participate in, and/or provide direct assistance during the project related to the selection of communities that will receive energy audits and improvement projects, and the delivery method for improvement projects. No cost changes to the original list of communities identified in this Work Plan will not require an amendment to the Award, provided appropriate documentation is included in the Award file, and the final Close-out Report for this Award clearly identifies all communities served and projects completed.

Environmental Documentation

ANTHC prepared an Environmental Review (ER) document in October 2014 based on the original funding provided by the Commission under Award 1467. The ER was prepared consistent with Indian Health Service procedures, and concluded that the activities undertaken pursuant to this Award would not have a significant impact on the environment. On 11 August 2016 the Commission published final National Environmental Policy Act (NEPA) regulations in the Federal Register, which contain certain Categorical Exclusions (CATEXs). ANTHC has completed a Commission CATEX Checklist based on CATEX B2 for the entire scope of work in Award 1467 thru Amendment 3, and the CATEX determination has been approved by the Commission.

Overall Budget and Funding Summary

An overall budget and funding summary dated 23 January 2017 is presented on page 5 of this document.

BUDGET				
Line	Item	By	Amount	Basis/Notes
1	Direct Burdened Labor	ANTHC	\$720,000	12,800 hours @ average rate of \$56.25 per hour
2	Pool Labor ^b	ANTHC	\$288,000	Rural Utility Department support staff: \$24.00 per hour of direct department labor Rural Energy Department support staff: \$7.50 per hour of direct department labor Shipping & Receiving Department support staff: \$32.00 per hour of direct department labor \$22.50 weighted average pool rate x 12,800 hours
3	Travel	ANTHC	\$279,000	Audits - 37 trips, 2 people each trip; Projects - 56 trips, 2 people each trip; assume \$1,500 per person per trip
4	Materials & Freight	ANTHC	\$1,108,800	\$16,500 for materials and \$3,300 for shipping per community x 56 communities
5	Consultant Services	Subcontractors	\$52,000	\$30,000 for Holy Cross design A/E \$22,000 to support AmeriCorps volunteer on service line study
6	Subtotal		\$2,447,800	
7	Contingency		\$14,796	0.6% of line 6
8	Indirect Costs ^c	ANTHC	\$185,040	25.7% of line 1
9	Total		\$2,647,636	

Additional Notes

- a. Budget developed by Gavin Dixon at ANTHC
b. Current pool rates in accordance with October 2015 ANTHC/DEHE Project Cost Allocation Methodology
c. ANTHC has a federally negotiated indirect rate of 25.7 % dated 8 November 2016 from the US Department of Health and Human Services
d. Overall labor rate including direct labor, pool labor and indirect costs = \$1,193,040/12,800 hours = \$93.20 per hour

FUNDING				
Line	Source	Award or Reference	Amount	Notes
10	Original Award	1467	\$2,147,636	
11	Amendment 1	1467	\$0	
12	Amendment 2	1467	\$0	
13	Amendment 3	1467	\$500,000	This action
14	Total Funding Available As Of This Action		\$2,647,636	